



Cuneiform (Unicode block)

Cuneiform	
Range	U+12000..U+123FF (1,024 code points)
Plane	SMP
Scripts	Cuneiform
Major alphabets	Sumerian Akkadian Elamite Hittite Hurrian
Assigned	922 code points
Unused	102 reserved code points
Unicode version history	
5.0 (2006)	879 (+879)
7.0 (2014)	921 (+42)
8.0 (2015)	922 (+1)
Unicode documentation	
Code chart (https://unicode.org/charts/PDF/U12000.pdf) Web page (https://unicode.org/charts/nameslist/n_12000.html)	
Note: [1] [2]	

In **Unicode**, the Sumero-Akkadian **Cuneiform script** is covered in three **blocks** in the Supplementary Multilingual Plane (SMP):

- U+12000–U+123FF **Cuneiform**
- U+12400–U+1247F **Cuneiform Numbers and Punctuation**
- U+12480–U+1254F **Early Dynastic Cuneiform**

The sample glyphs in the chart file published by the Unicode Consortium^[3] show the characters in their Classical Sumerian form (Early Dynastic period, mid 3rd millennium BCE). The characters as written during the 2nd and 1st millennia BCE, during which the vast majority of cuneiform texts were written, are considered font variants of the same characters.

Character inventory and ordering

The final proposal for Unicode encoding of the script was submitted by two cuneiform scholars working with an experienced Unicode proposal writer in June 2004.^[4] The base character inventory is derived from the list of Ur III signs compiled by the Cuneiform Digital Library Initiative of UCLA based on the inventories of Miguel Civil, Rykle Borger (2003), and Robert Englund. Rather than opting for a direct ordering by glyph shape and complexity, according to the numbering of an existing catalogue, the Unicode order of glyphs was based on the Latin alphabetic order of their 'main' Sumerian transliteration as a practical approximation.

Of the 907 signs listed by Borger (2003), some 200 have no encoding at a single code point. Conversely, a number of combinations considered reducible by Borger were assigned unique code points. These differences are due to the difficulty of establishing what represents a single character in cuneiform, and indeed most of Borger's items not encoded have straightforward etymological decomposition. There are still quite a number of universally recognized signs missing, and criticism has been voiced to the effect that the encoding "disregards an important part of the accumulated knowledge of generations of assyriologists about what actually function as single signs in normal texts, and are reflected in the traditional sign lists, most recently and comprehensively Borger's *Mesopotamische Zeichenliste*".^[5] For example, there are signs written as ligatures of varying constituent signs, such as KURUM₇ (Borger 2003 no. 729) that was written IGI.NÍG in early times, but later IGI.ERIM. Since there is no code point for KURUM₇, the sign must be expressed as either IGI.NÍG (U+12146 U+1243C, 𒀭𒍪) or IGI.ERIM (U+12146 U+1209F, 𒀭𒂗) depending on the shape of the glyph, in violation of the basic principle of Unicode to encode characters, not glyphs. While those signs can in principle still be added by a "Cuneiform Extended" range in the future, as has been done for a number of other scripts ("Latin Extended" etc.), their absence as of Unicode 7.0 means that the standard's usability for the encoding of actual texts is limited.

Rather than opting for an ordering by glyph shape and complexity, the Unicode order of characters is the Latin alphabet order of their "main" Sumerian transliteration (placing signs on Š-, transliterated as SH-, between SAR and SI). In most (but not all) cases, the "etymological" decomposition of originally complex signs ("ligatures") has been chosen, even if the sign's most familiar value is another. For example, U+12066 𒀭𒂗𒍪 CUNEIFORM SIGN DAG KISIM5 TIMES LU PLUS MASH2 is better known as AMAŠ, U+12258 𒀭𒂗𒍪𒍪 CUNEIFORM SIGN NINDA2 TIMES NE is better known as ÁG, and U+1212F 𒀭𒂗 CUNEIFORM SIGN HI TIMES ASH2 is better known as HAR or HUR.

List of signs

The following table allows matching of Borger's 1981 and 2003 numbering with Unicode characters ^[6] The "primary" transliteration column has the glyphs' Sumerian values as given by the official glyph name, slightly modified here for legibility by including traditional assyriological symbols such as "x" rather than "TIMES". The exact Unicode names can be unambiguously recovered by prefixing, "CUNEIFORM [NUMERIC] SIGN", replacing "TIMES" for "x", "PLUS" for "+" and "OVER" for "/", "ASTERISK" for "*", "H" for "Ĥ", "SH" for "Š", and switching to uppercase.

Sumero-Akkadian Cuneiform

Sign	Code point	"Primary" transliteration	Borger (2003)	Borger (1981)	Comments
	U+12000	A	839	579	DU ₂₃
	U+12001	A x A	845	583	EDURU
 [1] (http://psd.museum.upenn.edu/epsd/epsd/e179.html)	U+12002	A x BAD	840	580	AGAM (http://psd.museum.upenn.edu/epsd/epsd/e179.html)
	U+12003	A x GAN ₂ <i>tenû</i>			
	U+12004	A x ĤA	846	584; 587	ZAĤ ₃
	U+12005	A x IGI	844	581	ÍR
	U+12006	A x LAGAR <i>gunû</i>	843	582	
	U+12007	A x MUŠ	842		
	U+12008	A x SAG	841	585	
	U+12009	A ₂	560	334	ED, ID
	U+1200A	AB	223	128	ABBA, EŠ ₃
	U+1200B	AB x AŠ ₂	227	128**, 200a	
	U+1200C	AB x DUN ₃ <i>gunû</i>			
	U+1200D	AB x GAL	228	194	IRIGAL
	U+1200E	AB x GAN ₂ <i>tenû</i>	225	198	
	U+1200F	AB x ĤA	236	200	NINA
	U+12010	AB x IGI <i>gunû</i>	229	196	
	U+12011	AB x IMIN	237		
	U+12012	AB x LAGAB	234		
	U+12013	AB x ŠEŠ	226	200c	
	U+12014	AB x U + U + U	232		UNUG
	U+12015	AB <i>gunû</i>			ÚNU, URUGAL ₂
	U+12016	AB ₂	672	420	LID
	U+12017	AB ₂ x BALAG	676	422	LILIZ

	U+12018	AB ₂ x GAN ₂ <i>tenû</i>	674	423	KIR ₆
	U+12019	AB ₂ x ME + EN	679	426	
	U+1201A	AB ₂ x ŠA ₃	677	424	LIBIŠ
	U+1201B	AB ₂ x TAK ₄	673	420,8	
	U+1201C	AD	258	145	ADDA
	U+1201D	AK	127	97	AG
	U+1201E	AK x ERIN ₂	129	98	ME ₃
	U+1201F	AK x ŠITA + GIŠ	128		
 [2] (http://psd.museum.upenn.edu/epsd/psl/html/brief/x071.html)	U+12020	AL	474	298	
	U+12021	AL x AL	478		
	U+12022	AL x DIM ₂	480		
	U+12023	AL x GIŠ	477	301	
	U+12024	AL x 𐎶A	482	305	
	U+12025	AL x KAD ₃			
	U+12026	AL x KI	481	303	
	U+12027	AL x ŠE	348,479	205	IL
	U+12028	AL x UŠ	476	300	
	U+12029	ALAN	573	358	
	U+1202A	aleph	635	397	late variant of A𐎶; HZL nr. 332
	U+1202B	AMAR	695	437	ZUR
	U+1202C	AMAR x ŠE	696	438	SISKUR
	U+1202D	AN	010	13	
	U+1202E	AN / AN			
	U+1202F	AN three times			MUL
	U+12030	AN + NAGA opposing AN + NAGA			
	U+12031	AN + NAGA squared			^D NAGA, DALḤAMUN
	U+12032	ANŠE	353	208	"donkey"
	U+12033	APIN	090	56	ÀBSIN, ENGAR

	U+12034	ARAD	0018	50	NITA ₂
	U+12035	ARAD x KUR	0019	51	
	U+12036	ARKAB	859v		NIG ₂ .IB, ARGAB
	U+12037	ASAL ₂			
	U+12038	AŠ	001	001	also DIŠ, DILI, DIDLI (plural)
	U+12039	AŠ ZIDA <i>tenû</i>	575	209	DIŠ <i>tenû</i> , ĠE ₂₃
	U+1203A	AŠ KABA <i>tenû</i>	647?		
	U+1203B	AŠ / AŠ TUG ₂ / TUG ₂ TUG ₂ / TUG ₂ PAP			
	U+1203C	AŠ / AŠ / AŠ	505	325*	EŠ ₁₆ , "THREE", "3"
	U+1203D	AŠ / AŠ / AŠ crossing AŠ / AŠ / AŠ	649	364/5,5-6	ŠUŠUR ₂
 [3] (http://psd.museum.upenn.edu/epspd/psl/html/brief/x0c4.html)	U+1203E	AŠ ₂	548	339	
	U+1203F	AŠGAB	173	6	
	U+12040	BA	014	005	BA.BA.ZA = " <u>porridge</u> "
 [4] (http://psd.museum.upenn.edu/epspd/e3740.html)	U+12041	BAD	113	69	BA ₉ , MUD ₂ (http://psd.museum.upenn.edu/epspd/e3740.html)
	U+12042	BAG ₃		78	
	U+12043	BAĤAR ₂		309	
	U+12044	BAL	005	9	
	U+12045	BAL / BAL			
	U+12046	BALAG	565	352	DUB ₂
 [5] (https://de.wiktionary.org/wiki/%F0%92%85%86_%F0%92%81%87)	U+12047	BAR	121	74	
	U+12048	BARA ₂	554	344	BARAG
	U+12049	BI	358	214	BE ₂ , BIZ, EBIR ₂ , EPIR ₂ , GAŠ, KA ₈ , KAS ₂ , KAŠ ₂ , KAŠ, PE ₂ , PI ₂ , SA ₁₈ , SIRIS ₄ , SU ₁₅ , ŠA ₂₁ , ŠU ₁₃
	U+1204A	BI x A			
	U+1204B	BI x GAR	361	214c	
	U+1204C	BI x IGI <i>gunû</i>			

	U+1204D	BU	580	371	GID ₂
	U+1204E	BU / BU AB	582		
	U+1204F	BU / BU UN			
	U+12050	BU crossing BU	581		
	U+12051	BULUG	169	60	
	U+12052	BULUG / BULUG			
	U+12053	BUR	559	349	NIG ₂ <i>gunû</i>
	U+12054	BUR ₂	008		DU ₉
	U+12055	DA	561	335	DU ₂₀
	U+12056	DAG	438	280	PAR ₃
	U+12057	DAG KISIM ₅ x A + MAŠ	461	294b	
	U+12058	DAG KISIM ₅ x AMAR	458	288	
	U+12059	DAG KISIM ₅ x BALAG	457		
	U+1205A	DAG KISIM ₅ x BI	447	288	
	U+1205B	DAG KISIM ₅ x GA	455	291	UBUR
	U+1205C	DAG KISIM ₅ x GA + MAŠ			
	U+1205D	DAG KISIM ₅ x GI	444	284	
	U+1205E	DAG KISIM ₅ x GIR ₂	440	281a; 294e; 432,1	KIŠI ₈
	U+1205F	DAG KISIM ₅ x GUD	452	289	UTUL ₅
	U+12060	DAG KISIM ₅ x HJA	462	294d	
	U+12061	DAG KISIM ₅ x IR	450		UBUR ₃
	U+12062	DAG KISIM ₅ x IR + LU	451		UBUR ₄
	U+12063	DAG KISIM ₅ x KAK	448	294f	
	U+12064	DAG KISIM ₅ x LA	441	282	
	U+12065	DAG KISIM ₅ x LU	459		UBUR ₂
	U+12066	DAG KISIM ₅ x LU + MAŠ ₂	460	293; 294	AMAŠ
	U+12067	DAG KISIM ₅ x LUM	463	294a	
	U+12068	DAG KISIM ₅ x NE	446	286	
	U+12069	DAG KISIM ₅ x PAP + PAP			
	U+1206A	DAG KISIM ₅ x SI	445	285	

	U+1206B	DAG KISIM ₅ x TAK ₄	443	283	
	U+1206C	DAG KISIM ₅ x U ₂ + GIR ₂	453	290	
	U+1206D	DAG KISIM ₅ x UŠ	449	287	UTUA
	U+1206E	DAM	889	557	
	U+1206F	DAR	183	114	GUN ₃ , ĦUR <i>gunû</i> , SI <i>gunû</i>
	U+12070	DARA ₃	166	100	"ibex"
	U+12071	DARA ₄	817	540	
	U+12072	DI	736	457	DE, SA ₂ , SAL ₂ , SI ₈ , SILIM, SILIMA, SIM ₃ , ŠA ₂ , ŠA ₁₈ , ŠAL ₅ , ŠUB ₃ , ŠUL ₃ , TE ₁₀ , TI ₄ , TE, TĪ
	U+12073	DIB	813	537	DAB
	U+12074	DIM	167	94	
	U+12075	DIM x ŠE	168	94	MUN
	U+12076	DIM ₂	686	440	DEM ₂ , DIM ₂ , DIN ₃ , GE ₁₈ , GEM, GEN ₇ , GI ₁₈ , GIMI, GIM, GIN ₇
	U+12077	DIN	119	465	DAN ₅ , DEN, DINI, DUN ₂ , GURUN ₈ , KURUN ₂ , TEN ₂ , TIM ₃ , TIN, TĪN
	U+12078	DIN KASKAL U <i>gunû</i> DIŠ			
	U+12079	DIŠ	748; 749	480	NIGIDA, "ONE", "1"
	U+1207A	DU	350	206	ED ₂ , ED ₃ , GUB, RA ₂ , RE ₆ , ŠA ₄
	U+1207B	DU / DU	350	206a	LAĦ ₄ , RE ₇
	U+1207C	DU <i>gunû</i>	351	201	GIR ₆ , SUĦUŠ
	U+1207D	DU <i>šešig</i>	352	202	GIR ₅ , KAŠ ₄
	U+1207E	DUB	242	138	KIŠIB ₃
	U+1207F	DUB x EŠ ₂			
	U+12080	DUB ₂			
	U+12081	DUG	499	309	BI x A
	U+12082	DUGUD	704	445	
	U+12083	DUĦ	298	167	GAB, DU ₈ , TUĦ
	U+12084	DUN	744	467	ŠUL
	U+12085	DUN ₃	836	595	DU ₅ , GÍN, TÛN
	U+12086	DUN ₃ <i>gunû</i>			
	U+12087	DUN ₃ <i>gunû gunû</i>			MIR
	U+12088	DUN ₄	557	348	DUL ₄ , UR <i>gunû šešig</i> , MIR <i>šešig</i>

	U+12089	DUR ₂	808		DURU ₂ , DURUN, TUKUL, TUŠ
	U+1208A	E	498	308	
	U+1208B	E x PAP			
	U+1208C	E / E NUN / NUN			
	U+1208D	E ₂	495	324	
	U+1208E	E ₂ x A + HA + DA			
	U+1208F	E ₂ x GAR			
	U+12090	E ₂ x MI			
	U+12091	E ₂ x SAL			
	U+12092	E ₂ x ŠE			
	U+12093	E ₂ x U			
	U+12094	EDIN, E ₂ + DIM x EŠ (http://psd.museum.upenn.edu/epsd/epsd/e2182.html)	300	170	EDEN
	U+12095	EGIR	356	209	
	U+12096	EL	899	564	SIKIL
	U+12097	EN	164	99	
	U+12098	EN x GAN ₂	165	54	BURU ₁₄
	U+12099	EN x GAN ₂ <i>tenû</i>			
	U+1209A	EN x ME	164lig2		
	U+1209B	EN crossing EN			
	U+1209C	EN opposing EN			
	U+1209D	EN squared			
	U+1209E	EREN	818	541	
	U+1209F	ERIN ₂	612; 613	393	ERIM, ZALAG ₂ ; PIRIG
	U+120A0	EŠ ₂	810; 811	536	ŠE ₃ , GI ₇ , ĠIR ₁₅ (http://psd.museum.upenn.edu/epsd/epsd/e2182.html), ZI ₃ , HUĠ
	U+120A1	EZEN	271	152	IZIN, KEŠDA
	U+120A2	EZEN x A	288		
	U+120A3	EZEN x A + LAL	289	159	SIL ₇
	U+120A4	EZEN x A + LAL x LAL	290	160	ASILAL ₄

	U+120A5	EZEN x AN			
	U+120A6	EZEN x BAD	275	152	UG ₅ , UN ₃ , BAD ₃
	U+120A7	EZEN x DUN ₃ <i>gunû</i>	287	162	
	U+120A8	EZEN x DUN ₃ <i>gunû gunû</i>			
	U+120A9	EZEN x HA	291	161	
	U+120AA	EZEN x HA <i>gunû</i>			
	U+120AB	EZEN x IGI <i>gunû</i>			
	U+120AC	EZEN x KASKAL	277		
	U+120AD	EZEN x KASKAL squared			
	U+120AE	EZEN x KU ₃	284	152	
	U+120AF	EZEN x LA	274	152	
	U+120B0	EZEN x LAL x LAL			
	U+120B1	EZEN x LI	273	153	
	U+120B2	EZEN x LU	286	157	
	U+120B3	EZEN x U ₂	279		
	U+120B4	EZEN x UD	283		
	U+120B5	GA	491	319	
	U+120B6	GA <i>gunû</i>	492		
	U+120B7	GA ₂	387	233	
	U+120B8	GA ₂ x A + DA + HA	428	273	
	U+120B9	GA ₂ x A + HA			
	U+120BA	GA ₂ x A + IGI	429	274	
	U+120BB	GA ₂ x AB ₂ <i>tenû</i> + TAB	423?		
	U+120BC	GA ₂ x AN	392	237	AMA
	U+120BD	GA ₂ x AŠ	389	234	
	U+120BE	GA ₂ x AŠ ₂ + GAL	414	258	
	U+120BF	GA ₂ x BAD	395	242	
	U+120C0	GA ₂ x BAR + RA			
	U+120C1	GA ₂ x BUR			
	U+120C2	GA ₂ x BUR + RA	415	259	

	U+120C3	GA ₂ x DA	416	416	
	U+120C4	GA ₂ x DI	425	268	
	U+120C5	GA ₂ x DIM x ŠE	401	206	
	U+120C6	GA ₂ x DUB	403	250	
	U+120C7	GA ₂ x EL			
	U+120C8	GA ₂ x EL + LA	433	272	
	U+120C9	GA ₂ x EN	399	247	
	U+120CA	GA ₂ x EN x GAN ₂ <i>tenû</i>	400	239	GA ₂ x BURU ₁₄
	U+120CB	GA ₂ x GAN ₂ <i>tenû</i>	402	248	
	U+120CC	GA ₂ x GAR	431	278	GALGA
	U+120CD	GA ₂ x GI	396	243	
	U+120CE	GA ₂ x GI ₄	412	256	
	U+120CF	GA ₂ x GI ₄ + A			
	ðð U+120D0	GA ₂ x GIR ₂ + SU	391	236	
	U+120D1	GA ₂ x ĤA + LU + EŠ ₂	430	277	
	U+120D2	GA ₂ x ĤAL			
	U+120D3	GA ₂ x ĤAL + LA	390	235	
	U+120D4	GA ₂ x ĤI + LI	421	263	
	U+120D5	GA ₂ x ĤUB ₂	398		
	U+120D6	GA ₂ x IGI <i>gunû</i>	417	260	
	U+120D7	GA ₂ x IŠ + ĤU + AŠ	406	250i	
	U+120D8	GA ₂ x KAK	407	251	
	U+120D9	GA ₂ x KASKAL	405	250d	
	U+120DA	GA ₂ x KID	394	241	
	U+120DB	GA ₂ x KID + LAL	409	251	
	U+120DC	GA ₂ x KU ₃ + AN	426	269	
	U+120DD	GA ₂ x LA			
	U+120DE	GA ₂ x ME + EN	427	270	MEN
	U+120DF	GA ₂ x MI	424	265	ITIMA
	U+120E0	GA ₂ x NUN	397	244	GANUN

	U+120E1	GA ₂ x NUN / NUN	411	255	UR ₃
	U+120E2	GA ₂ x PA	408	252; 257	GAZI, SILA ₄
	U+120E3	GA ₂ x SAL	432	271	ARĦUŠ
	U+120E4	GA ₂ x SAR	413	250b	
	U+120E5	GA ₂ x ŠE	418	261	ESAG ₂
	U+120E6	GA ₂ x ŠE + TUR	419	261a; 272a	
	U+120E7	GA ₂ x ŠID	410	252	
	U+120E8	GA ₂ x SUM	404	250c	
	U+120E9	GA ₂ x TAK ₄	394		
	U+120EA	GA ₂ x U	422	264	
	U+120EB	GA ₂ x UD	420	262	
	U+120EC	GA ₂ x UD + DU			
	U+120ED	GA ₂ / GA ₂			
	U+120EE	GABA		167	
	U+120EF	GABA crossing GABA			
	U+120F0	GAD	157	90	
	U+120F1	GAD / GAD GAR / GAR			
	U+120F2	GAL	553	343	
	U+120F3	GAL GAD / GAD GAR / GAR			
	U+120F4	GALAM	338	176k	SUKUD
	U+120F5	GAM	576	362	
	U+120F6	GAN	253	143	KAN, ĦE ₂ , SAG ₇
	U+120F7	GAN ₂	174	105l	
	U+120F8	GAN ₂ <i>tenû</i>	175	105	KAR ₂ , ŠE ₃ <i>tenû</i>
	U+120F9	GAN ₂ / GAN ₂	174v		
	U+120FA	GAN ₂ crossing GAN ₂	174v		
	U+120FB	GAR	859	597	NINDA, NIG ₂ , ĠAR
	U+120FC	GAR ₃	543	333	
	U+120FD	GAŠAN	562; 563	350	U <i>gunû</i>
	U+120FE	GEŠTIN	212	210	

	U+120FF	GEŠTIN x KUR	213		
	U+12100	GI	141	85	GE, GIN ₇
	U+12101	GI x E			
	U+12102	GI x U			
	U+12103	GI crossing GI	105	67	GI ₁₆ , <u>GILIM</u>
	U+12104	GI ₄	507	326	GE ₄
	U+12105	GI ₄ / GI ₄	508	326a	GIGI
	U+12106	GI ₄ crossing GI ₄	508	326a	GIGI
	U+12107	GIDIM	830	576	
	U+12108	GIR ₂	006	10	ĠIRI ₂
	U+12109	GIR ₂ <i>gunû</i>	007	10	
	U+1210A	GIR ₃	701	444	PIRIĠ, ĠIRI ₃ , GIRI ₃
	U+1210B	GIR ₃ x A + IGI	703	421; 579,396	
	U+1210C	GIR ₃ x GAN ₂ <i>tenû</i>	675	423	GIRI ₁₆
	U+1210D	GIR ₃ x IGI			
	U+1210E	GIR ₃ x LU + IGI	702	537,129	
	U+1210F	GIR ₃ x PA			
	U+12110	GISAL	376	226	
	U+12111	GIŠ	469	296	ĠEŠ, SAG ₃
	U+12112	GIŠ crossing GIŠ	469v		
	U+12113	GIŠ x BAD	471		
	U+12114	GIŠ x TAK ₄			
	U+12115	GIŠ <i>tenû</i>	470	296	GUR ₁₇
	U+12116	GU	891	559	
	U+12117	GU crossing GU	892	569	SÛĤ
	U+12118	GU ₂	176	106	
	U+12119	GU ₂ x KAK	178		DUR
	U+1211A	GU ₂ x KAK x IGI <i>gunû</i>			
	U+1211B	GU ₂ x NUN			
	U+1211C	GU ₂ x SAL + TUG ₂			

	U+1211D	GU ₂ <i>gunû</i>	509	327	USAN ₂
	U+1211E	GUD	472	297	GU ₄ "cow"
	U+1211F	GUD x A + KUR			
	U+12120	GUD x KUR	309	170	ADAR ₂ , AM, AMA ₂ , ILDAG ₃
	U+12121	GUD / GUD LUGAL	572	357	BIŠEBA ₃
	U+12122	GUL	682	429	SUN ₂
	U+12123	GUM	339	191	KUM
	U+12124	GUM x ŠE	340	192	GAZ, GAS
	U+12125	GUR	180	111	
	U+12126	GUR ₇	819	542	
	U+12127	GURUN	503	310	
	U+12128	GURUŠ		322	
	U+12129	ĤA	856	589	KU ₆
	U+1212A	ĤA <i>tenû</i>	857	590	ZUBUD
	U+1212B	ĤA <i>gunû</i>	558	346	GIR, PE
	U+1212C	ĤAL	003	002	= AŠ.AŠ
	U+1212D	ĤI	631	396	DU ₁₀ , DUG ₃ , DUB ₃
	U+1212E	ĤI x AŠ	634	405	SUR ₃
	U+1212F	ĤI x AŠ ₂	644	401	ĤAR, ĤUR, HAR
	U+12130	ĤI x BAD	640; 595	406	DU ₁₅ , KAM
	U+12131	ĤI x DIŠ	659	409e	ŠÁR x DIŠ
	U+12132	ĤI x GAD	650	407	ŠÁR x GAD
	U+12133	ĤI x KIN	660	410	
	U+12134	ĤI x NUN	636	398	AĤ ₁ , IĤ ₁ , UĤ ₁ , AH
	U+12135	ĤI x ŠE	643	400	BIR
	U+12136	ĤI x U	653; 688	409	ŠÁR x U; DÚBUR
	U+12137	ĤU	132	78	
	U+12138	ĤUB ₂	149	88	TU ₁₁ , TUN ₂
	U+12139	ĤUB ₂ x AN			
	U+1213A	ĤUB ₂ x ĤAL			

	U+1213B	HUB ₂ x KASKAL			
	U+1213C	HUB ₂ x LIŠ			
	U+1213D	HUB ₂ x UD	150		TU ₁₀
	U+1213E	HUL ₂	877	550	HUL ₂
	U+1213F	I	252	142	
	U+12140	I A			
	U+12141	IB	807	535	
	U+12142	IDIM			
	U+12143	IDIM / IDIM BUR			
	U+12144	IDIM / IDIM squared			
	U+12145	IG	136	80	IK, ĠAL ₂ , GAL ₂
	U+12146	IGI	724	449	ŠI, LIM, GI ₈
	U+12147	IGI DIB	731	455	U ₃
	U+12148	IGI RI	726	451	AR
	U+12149	IGI / IGI ŠIR / ŠIR UD / UD			
	U+1214A	IGI <i>gunû</i>	564	351	SIG ₇
	U+1214B	IL	348	205	
	U+1214C	IL x GAN ₂ <i>tenû</i>	349		
	U+1214D	IL ₂	493	320	
	U+1214E	IM	641	399	EM (http://psd.museum.upenn.edu/epsd/epsd/e3660.html), TUM ₉ , tumu, TU ₁₅
	U+1214F	IM x TAK ₄	642	399,51	
	U+12150	IM crossing IM	641v	399*	DALHAMUN ₆ , MERMER ₃
	U+12151	IM opposing IM	641v		
	U+12152	IM squared	641v	399**	
	U+12153	IMIN	863	598c	"7", "SEVEN"
	U+12154	IN	261	148	
	U+12155	IR	437	232	GAG <i>gunû</i> , ER
	U+12156	IŠ	357	212	
	U+12157	KA	024	15	INIM "word", GU ₃ , ZU ₂ , DUG ₄ , DU ₁₁ , KIR ₄ , GIRI ₁₇
	U+12158	KA x A	064	35	NAĠ

	U+12159	KA x AD			
	U+1215A	KA x AD + KU ₃	034	20	
	U+1215B	KA x AŠ ₂	046		
	U+1215C	KA x BAD			UŠ ₁₁
	U+1215D	KA x BALAG	047		
	U+1215E	KA x BAR	030		
	U+1215F	KA x BI			
	U+12160	KA x ERIN ₂	053	29*	
	U+12161	KA x EŠ ₂			
	U+12162	KA x GA	044		
	U+12163	KA x GAL			
	U+12164	KA x GAN ₂ <i>tenû</i>	033	19	PU ₃
	U+12165	KA x GAR	065		GU ₇
	U+12166	KA x GAR + ŠA ₃ + A	066		
	U+12167	KA x GI			
	U+12168	KA x GIR ₂	025		
	U+12169	KA x GIŠ + SAR			
	U+1216A	KA x GIŠ crossing GIŠ			
	U+1216B	KA x GU	069	34	
	U+1216C	KA x GUR ₇	063		
	U+1216D	KA x IGI	059		
	U+1216E	KA x IM	054	30	BUN ₂
	U+1216F	KA x KAK	038		
	U+12170	KA x KI	060		
	U+12171	KA x KID			
	U+12172	KA x LI	026	16	
	U+12173	KA x LU			
	U+12174	KA x ME	061	32	EME
	U+12175	KA x ME + DU			
	U+12176	KA x ME + GI			

	U+12177	KA x ME + TE			
	U+12178	KA x MI	057		
	U+12179	KA x MI + NUNUZ			
	U+1217A	KA x NE	035		
	U+1217B	KA x NUN	031	18	NUNDUM
	U+1217C	KA x PI	052		
	U+1217D	KA x RU	028		
	U+1217E	KA x SA	032	18*	SU ₆
	U+1217F	KA x SAR	045		MU ₁₁
	U+12180	KA x ŠA	048		
	U+12181	KA x ŠE	050		
	U+12182	KA x ŠID	042		
	U+12183	KA x ŠU	049 033	19 26	ŠÚDU, PÚ
	U+12184	KA x SIG	068		
	U+12185	KA x SUḪUR			
	U+12186	KA x TAR			
	U+12187	KA x U	056		
	U+12188	KA x U ₂	043		
	U+12189	KA x UD	051		
	U+1218A	KA x UMUM x PA			
	U+1218B	KA x UŠ	039		
	U+1218C	KA x ZI			
	U+1218D	KA ₂	222	133	
	U+1218E	KA ₂ crossing KA ₂			
	U+1218F	KAB	148	88	GAB ₂
	U+12190	KAD ₂	108	63a	
	U+12191	KAD ₃	109	63c	
	U+12192	KAD ₄	568	354b	
	U+12193	KAD ₅	569	354b	
	U+12194	KAD ₅ / KAD ₅			

	U+12195	KAK	379	230	GAG, DU ₃ , RU ₂
	U+12196	KAK x IGI <i>gunû</i>			
	U+12197	KAL	496	322	ALAD ₂ , KALAG
	U+12198	KAL x BAD	497	323	ALAD
	U+12199	KAL crossing KAL			
	U+1219A	KAM ₂	595		
	U+1219B	KAM ₄	097		
	U+1219C	KASKAL	302	166	
	U+1219D	KASKAL LAGAB x U / LAGAB x U	307v		ŠUBTU ₆
	U+1219E	KASKAL / KASKAL LAGAB x U / LAGAB x U	307v		ŠUBTU ₇
	U+1219F	KEŠ ₂		152	
	U+121A0	KI	737	461	GAN from GANBA(market)
	U+121A1	KI x BAD	738		
	U+121A2	KI x U	740	462	
	U+121A3	KI x UD	739	463	
	U+121A4	KID	484	313	LÍL ₂ , GÉ, KE ₄
	U+121A5	KIN	815	538	SAGA ₁₁
	U+121A6	KISAL	435	249	
	U+121A7	KIŠ	678	425	
	U+121A8	KISIM ₅	687	404*,1	
	U+121A9	KISIM ₅ / KISIM ₅	687v		
	U+121AA	KU	808	536	DÚR, TUKUL, TUŠ
	U+121AB	KU / 𐎧𐎢𐎶 x AŠ ₂ KU / 𐎧𐎢𐎶 x ÁŠ			
	U+121AC	KU ₃	745	468	KUG
	U+121AD	KU ₄	087	58	KUR ₉ (See also:  (https://en.wiktionary.org/wiki/%F0%92%8B%BD))
	U+121AE	KU ₄ variant form			
	U+121AF	KU ₇	171	110	
	U+121B0	KUL	117	72	NUMUN
	U+121B1	KUL <i>gunû</i>			
	U+121B2	KUN	131	77	

	U+121B3	KUR	578	366	GIN ₃ , KUR ^{The underworld}
	U+121B4	KUR opposing KUR			LAHMU
	U+121B5	KUŠU ₂	896	562	
	U+121B6	KWU ₃₁₈			
	U+121B7	LA	089	55	
	U+121B8	LAGAB	755	483	NIGIN ₂ , GUR ₄
	U+121B9	LAGAB x A	795	522	AMBAR, BUGIN, BUNIN, SUG
	U+121BA	LAGAB x A + DA + 𐎠A	797	523*; 524	
	U+121BB	LAGAB x A + GAR	799	526	
	U+121BC	LAGAB x A + LAL	798		
	U+121BD	LAGAB x AL	773	498	
	U+121BE	LAGAB x AN	758		
	U+121BF	LAGAB x AŠ ZIDA <i>tenû</i>	778	486,1; 504	
	U+121C0	LAGAB x BAD	760	486	GIGIR
	U+121C1	LAGAB x BI	769	496	
	U+121C2	LAGAB x DAR	765	489	
	U+121C3	LAGAB x EN	764		
	U+121C4	LAGAB x GA	775		
	U+121C5	LAGAB x GAR	801	528	
	U+121C6	LAGAB x GUD	772	493	
	U+121C7	LAGAB x GUD + GUD	766	494	
	U+121C8	LAGAB x 𐎠A	800	527	
	U+121C9	LAGAB x 𐎠HAL	756	484	ENGUR
	U+121CA	LAGAB x 𐎠I x NUN	784	509	
	U+121CB	LAGAB x IGI <i>gunû</i>			
	U+121CC	LAGAB x IM	785	510	
	U+121CD	LAGAB x IM + 𐎠A			
	U+121CE	LAGAB x IM + LU			
	U+121CF	LAGAB x KI	789	514	
	U+121D0	LAGAB x KIN	794	519	

	U+121D1	LAGAB x KU ₃	790	513; 506	GARIM
	U+121D2	LAGAB x KUL	761		
	U+121D3	LAGAB x KUL + Hl + A	762		
	U+121D4	LAGAB x LAGAB	804	529	NIĞIN
	U+121D5	LAGAB x LIŠ	782	486,1; 503	
	U+121D6	LAGAB x LU	793	518	
	U+121D7	LAGAB x LUL	777	502	
	U+121D8	LAGAB x ME	791	516	
	U+121D9	LAGAB x ME + EN	792	517	
	U+121DA	LAGAB x MUŠ	780	507	
	U+121DB	LAGAB x NE	768	495	UDUB
	U+121DC	LAGAB x ŠE + SUM	779	491,6; 492	
	U+121DD	LAGAB x ŠITA + GIŠ + ERIN ₂			
	U+121DE	LAGAB x ŠITA + GIŠ <i>tenû</i>			
	U+121DF	LAGAB x ŠU ₂	802	520	
	U+121E0	LAGAB x ŠU ₂ + ŠU ₂	803	521	
	U+121E1	LAGAB x SUM	767	491	ZAR
	U+121E2	LAGAB x TAG			
	U+121E3	LAGAB x TAK ₄	759	485	
	U+121E4	LAGAB x TE + A + SU + NA			
	U+121E5	LAGAB x U	786	511	GÍGIR "wain"; PÚ, TÚL "source, fount"
	U+121E6	LAGAB x U + A	787	512	
	U+121E7	LAGAB x U + U + U	788	515	BUL
	U+121E8	LAGAB x U ₂ + AŠ	774	499	
	U+121E9	LAGAB x UD	783	505	
	U+121EA	LAGAB x UŠ	770		
	U+121EB	LAGAB squared	805	530	
	U+121EC	LAGAR	719	458	HZL nr. 186
	U+121ED	LAGAR x ŠE	722	460	SU ₇
	U+121EE	LAGAR x ŠE + SUM	723		

	U+121EF	LAGAR <i>gunû</i>	721	459	DU ₆
	U+121F0	LAGAR <i>gunû</i> / LAGAR <i>gunû</i> ŠE	721v		
	U+121F1	LAḤŠU			
	U+121F2	LAL	750	481	LA ₂
	U+121F3	LAL x LAL	751	482	LAL ₂
	U+121F4	LAM	693	435	BA from GANBA(market)
	U+121F5	LAM x KUR	694	436	EŠ ₂₂
	U+121F6	LAM x KUR + RU	694v	436,4	
	U+121F7	LI	085	59	
	U+121F8	LIL	544	336	
	U+121F9	LIMMU ₂	215	124	
	U+121FA	LiŠ	591	377	DÍLIM
	U+121FB	LU	812	537	UDU
	U+121FC	LU x BAD	814	537,65c; 537*	ĀD
	U+121FD	LU ₂	514	330	Person
	U+121FE	LU ₂ x AL	523		
	U+121FF	LU ₂ x BAD	517		
	U+12200	LU ₂ x EŠ ₂			
	U+12201	LU ₂ x EŠ ₂ <i>tenû</i>			
	U+12202	LU ₂ x GAN ₂ <i>tenû</i>	521		
	U+12203	LU ₂ x ḤI x BAD			
	U+12204	LU ₂ x IM	526		
	U+12205	LU ₂ x KAD ₂	519		
	U+12206	LU ₂ x KAD ₃			
	U+12207	LU ₂ x KAD ₃ + AŠ			
	U+12208	LU ₂ x KI	527		
	U+12209	LU ₂ x LA + AŠ			
	U+1220A	LU ₂ x LAGAB	528		
	U+1220B	LU ₂ x ME + EN			
	U+1220C	LU ₂ x NE	522		DU ₁₄

	U+1220D	LU ₂ x NU			
	U+1220E	LU ₂ x SI + AŠ			
	U+1220F	LU ₂ x SIK ₂ + BU	533		
	U+12210	LU ₂ x TUG ₂	530		AZLAG ₇
	U+12211	LU ₂ <i>tenû</i>	515		
	U+12212	LU ₂ crossing LU ₂			
	U+12213	LU ₂ opposing LU ₂			
	U+12214	LU ₂ squared			
	U+12215	LU ₂ <i>šešig</i>	516; 534	330	DIM ₃
	U+12216	LU ₃	555	345	GÚG, ŠÈ <i>gunû</i>
	U+12217	LUGAL	266	151	
	U+12218	LUGAL / LUGAL	266v		DADRUN?
	U+12219	LUGAL opposing LUGAL	266v		unattested
	U+1221A	LUGAL <i>šešig</i>			DIM ₃
	U+1221B	LUḤ	494	321	
	U+1221C	LUL	570	355	NAR
	U+1221D	LUM	900	565	ḤUM
	U+1221E	LUM / LUM	902	565a; 566a	
	U+1221F	LUM / LUM GAR / GAR	904	566b	LÙGUD
	U+12220	MA	552	342	
	U+12221	MA x TAK ₄			
	U+12222	MA <i>gunû</i>	270	146	ḤAŠḤUR
	U+12223	MA ₂	201	122	
	U+12224	MAḤ	091	57	MAH
	U+12225	MAR	483	307	
	U+12226	MAŠ	120	74	
	U+12227	MAŠ ₂	130	76	
	U+12228	ME	753	532	
	U+12229	MES	486	533	RID, KIŠIB
	U+1222A	MI	681	427	ĜI ₆ , GE ₆

	U+1222B	MIN	825	570	
	U+1222C	MU	098	61	ĠU ₁₀
	U+1222D	MU / MU	301	169	TAḤ, DAḤ
	U+1222E	MUG	012	003	<u>oakum</u>
	U+1222F	MUG <i>gunû</i>	0013	4	ZADIM
	U+12230	MUNSUB	820	543	MUNŠUB
	U+12231	MURGU ₂		567	
 ps://de.wiktionary.org/wiki/%F0%92%88%B2)	U+12232	MUŠ	585	374	
	U+12233	MUŠ x A			
	U+12234	MUŠ x KUR			
	U+12235	MUŠ x ZA			
	U+12236	MUŠ / MUŠ	586		RI ₈
	U+12237	MUŠ / MUŠ x A + NA			
	U+12238	MUŠ crossing MUŠ			
	U+12239	MUŠ ₃	153	103	<u>INANNA</u> , INNIN
	U+1223A	MUŠ ₃ x A	154		
	U+1223B	MUŠ ₃ x A + DI	155		
	U+1223C	MUŠ ₃ x DI			
	U+1223D	MUŠ ₃ <i>gunû</i>			SUH
	U+1223E	NA	110	70	
	U+1223F	NA ₂	689	431	NU ₂
	U+12240	NAGA	293		<u>NISABA</u>
 Haya	U+12241	NAGA inverted			<u>ḤAYA</u>
	U+12242	NAGA x ŠU <i>tenû</i>	294		
	U+12243	NAGA opposing NAGA			
	U+12244	NAGAR	893	560	ALLA
	U+12245	NAM NUTILLU			
	U+12246	NAM	134	79	

	U+12247	NAM ₂			
	U+12248	NE	313	172	BI ₂ , DE ₃ , DU ₁₇ , IZI, LAM ₂ , LIM ₄
	U+12249	NE x A	315		
	U+1224A	NE x UD	314		
	U+1224B	NE šešig	312	173	BĪL
	U+1224C	NI	380	231	I ₃
	U+1224D	NI x E			
	U+1224E	NI ₂	641	399	
	U+1224F	NIM	690	433	NUM
	U+12250	NIM x GAN ₂ <i>tenû</i>	691	434	
	U+12251	NIM x GAR + GAN ₂ <i>tenû</i>	692	434a	
	U+12252	NINDA ₂	316	176	
	U+12253	NINDA ₂ x AN	320		
	U+12254	NINDA ₂ x AŠ	317	176,12; 177,2	
	U+12255	NINDA ₂ x AŠ + AŠ	316	177,3	
	U+12256	NINDA ₂ x GUD	327	187,6	
	U+12257	NINDA ₂ x ME + GAN ₂ <i>tenû</i>			
	U+12258	NINDA ₂ x NE	326	183	ÁG "darling", RE, AĜ ₂
	U+12259	NINDA ₂ x NUN	324	181	AZU
	U+1225A	NINDA ₂ x ŠE	333v3		
	U+1225B	NINDA ₂ x ŠE + A AN	333		ŠAM ₂
	U+1225C	NINDA ₂ x ŠE + AŠ	331		
	U+1225D	NINDA ₂ x ŠE + AŠ + AŠ	332		
	U+1225E	NINDA ₂ x U ₂ + AŠ	330		
	U+1225F	NINDA ₂ x UŠ			
	U+12260	NISAG	545	337	MURU ₂ , MURUB ₄ , ITI <i>gunû</i>
	U+12261	NU	112	75	
	U+12262	NU ₁₁	115	71	ŠIR

 [8] (http://de.wiktionary.org/wiki/%F0%92%89%A3)	U+12263	NUN	143	87	<u>eridu</u>
	U+12264	NUN LAGAR x GAR			
	U+12265	NUN LAGAR x MAŠ			
	U+12266	NUN LAGAR x SAL			
	U+12267	NUN LAGAR x SAL / NUN LAGAR x SAL			
	U+12268	NUN LAGAR x UŠ			
	U+12269	NUN <i>tenû</i>	144	87	
	U+1226A	NUN / NUN	502	325	NIR
	U+1226B	NUN crossing NUN	107	63d	
	U+1226C	NUN crossing NUN LAGAR / LAGAR			
	U+1226D	NUNUZ	614	394	
	U+1226E	NUNUZ AB ₂ x AŠGAB	619	394c,e	USAN ₃
	U+1226F	NUNUZ AB ₂ x BI	621	394d	MUD ₃
	U+12270	NUNUZ AB ₂ x DUG	625		
	U+12271	NUNUZ AB ₂ x GUD	623		
	U+12272	NUNUZ AB ₂ x IGI <i>gunû</i>	627		
	U+12273	NUNUZ AB ₂ x KAD ₃	618		
	U+12274	NUNUZ AB ₂ x LA	616	394b	LAḤTAN
	U+12275	NUNUZ AB ₂ x NE	620		
	U+12276	NUNUZ AB ₂ x SILA ₃	617	394b'	LAḤTAN ₂
	U+12277	NUNUZ AB ₂ x U ₂	(624)		
	U+12278	NUNUZ KISIM ₅ x BI	621	394d	MUD ₃
	U+12279	NUNUZ KISIM ₅ x BI U	622		MUD ₃ -U
	U+1227A	PA	464	295	GIDRU "staff, sceptre", UGULA "overseer", GARZA "office"
	U+1227B	PAD	746	469	ŠUK
	U+1227C	PAN	685	439	BAN, BANA, PANA; Akkadian <i>qaštu</i>
	U+1227D	PAP	092	60	PAB, KUR ₂
	U+1227E	PEŠ ₂	741; 882	346	

	U+1227F	PI	598	383	TAL ₂
	U+12280	PI x A	598v		HZL nr. 326
	U+12281	PI x AB	598v		HZL nr. 318
	U+12282	PI x BI	598v		HZL nr. 320
	U+12283	PI x BU	598v		HZL nr. 324
	U+12284	PI x E	598v		HZL nr. 322
	U+12285	PI x I	598v		HZL nr. 319
	U+12286	PI x IB	598v		HZL nr. 325
	U+12287	PI x U	598v		HZL nr. 323
	U+12288	PI x U ₂	598v		HZL nr. 321
	U+12289	PI crossing PI	598v	383,3	
	U+1228A	PIRIG		444	
	U+1228B	PIRIG x KAL	295		
	U+1228C	PIRIG x UD	296	130	UG, UKU ₄
	U+1228D	PIRIG x ZA	297		AZ
	U+1228E	PIRIG opposing PIRIG			
	U+1228F	RA	511	328	
	U+12290	RAB	262	149	
	U+12291	RI	142	86	DAL, RE, TAL, ŠA ₇
	U+12292	RU	111	48	
	U+12293	SA	172	104	
	U+12294	SAG NUTILLU			
	U+12295	SAG	184	115	SAG
	U+12296	SAG x A	197		
	U+12297	SAG x DU	187		
	U+12298	SAG x DUB			
	U+12299	SAG x HA	198		
	U+1229A	SAG x KAK	188		
	U+1229B	SAG x KUR			
	U+1229C	SAG x LUM	200		

	U+1229D	SAG x MI	195		
	U+1229E	SAG x NUN	185		
	U+1229F	SAG x SAL	199		
	U+122A0	SAG x ŠID	191		
	U+122A1	SAG x TAB			
	U+122A2	SAG x U ₂	192		
	U+122A3	SAG x UB	193		
	U+122A4	SAG x UM	186		
	U+122A5	SAG x UR	196		
	U+122A6	SAG x UŠ	190		
	U+122A7	SAG / SAG			
	U+122A8	SAG <i>gunû</i>	512	329	DUL ₃
	U+122A9	SAL	883	554	MI ₂ , MUNUS
	U+122AA	SAL LAGAB x AŠ ₂			
	U+122AB	SANGA ₂		314	
	U+122AC	SAR	541	152	MU ₂ , SAR
	U+122AD	ŠA	566	353	
	U+122AE	ŠA ₃	599	384	ŠAG ₄
	U+122AF	ŠA ₃ x A	608	390	PEŠ ₄
	U+122B0	ŠA ₃ x BAD	600		
	U+122B1	ŠA ₃ x GIŠ	603		
	U+122B2	ŠA ₃ x NE	602	385	
	U+122B3	ŠA ₃ x ŠU ₂	609	389	
	U+122B4	ŠA ₃ x TUR	601		
	U+122B5	ŠA ₃ x U	605		
	U+122B6	ŠA ₃ x U + A	606	388	BIR ₆
	U+122B7	ŠA ₆			SAG ₉
	U+122B8	ŠAB ₆		295k	
	U+122B9	ŠAR ₂	632; 633	396	Tl ₂
	U+122BA	ŠE	579	367	

	U+122BB	ŠE ĦU			
	U+122BC	ŠE / ŠE GAD / GAD GAR / GAR			
	U+122BD	ŠE / ŠE TAB / TAB GAR / GAR			
	U+122BE	ŠEG ₉	878	551	
	U+122BF	ŠEN	017	008	= SU x A, ALAL, PISAN ₃ , DUR ₁₀
	U+122C0	ŠEŠ	535	331	URI ₃ , URU ₃
	U+122C1	ŠEŠ ₂	821	544	
	U+122C2	ŠEŠLAM	100	65	
	U+122C3	ŠID	485	314	LAG, UTTU ₂
	U+122C4	ŠID x A	489	317	UMBISAG ₂
	U+122C5	ŠID x IM	487	317a	
	U+122C6	ŠIM	362	215	
	U+122C7	ŠIM x A	372		
	U+122C8	ŠIM x BAL	363	216,3; 217	
	U+122C9	ŠIM x BULUG	367	218,2	
	U+122CA	ŠIM x DIN	366	221	
	U+122CB	ŠIM x GAR	373	225	
	U+122CC	ŠIM x IGI	371		
	U+122CD	ŠIM x IGI <i>gunû</i>	368	219*	
	U+122CE	ŠIM x KUŠU ₂	375	223	
	U+122CF	ŠIM x LUL	369		
	U+122D0	ŠIM x MUG	365	216	
	U+122D1	ŠIM x SAL	374	222	
	U+122D2	ŠINIG		93	
	U+122D3	ŠIR	115	71	
	U+122D4	ŠIR <i>tenû</i>	116		
	U+122D5	ŠIR / ŠIR BUR / BUR			
	U+122D6	ŠITA	388	233,22	"GA ₂ "
	U+122D7	ŠU	567	354	
	U+122D8	ŠU / inverted ŠU			

	U+122D9	ŠU ₂	869	545	
	U+122DA	ŠUBUR	0022	53	
	U+122DB	SI	181	112	MA
	U+122DC	SI <i>gunû</i>	182	113	SU ₄
	U+122DD	SIG	881	592	
	U+122DE	SIG ₄	905; 906	567	MURGU; HZL nr. 311
	U+122DF	SIG ₄ / SIG ₄ ŠU ₂	907	568	
	U+122E0	SIK ₂	816	539	SIG ₂ , SIKI
	U+122E1	SILA ₃	099	62	
	U+122E2	SU	016	007	also KUŠ "skin, hide"
	U+122E3	SU / SU			
	U+122E4	SUD	584	373	BU <i>gunû</i> , SU ₃
	U+122E5	SUD ₂	139		
	U+122E6	SUḪUR	646	403	
	U+122E7	SUM	292	164	ŠUM ₂
	U+122E8	SUMAŠ	323	182	
	U+122E9	SUR	151	101	
	U+122EA	SUR ₉	205	122d	
	U+122EB	TA	248	139	
	U+122EC	TA*	248v		
	U+122ED	TA x ḪI	250		LAL ₃
	U+122EE	TA x MI	251		
	U+122EF	TA <i>gunû</i>			
	U+122F0	TAB	209	124	
	U+122F1	TAB / TAB NI / NI DIŠ / DIŠ			
	U+122F2	TAB squared			
	U+122F3	TAG	221	126	
	U+122F4	TAG x BI			
	U+122F5	TAG x GUD			
	U+122F6	TAG x ŠE			

	U+122F7	TAG x ŠU			
	U+122F8	TAG x TUG ₂			
	U+122F9	TAG x UD			
	U+122FA	TAK ₄	106	63	KID ₂ , TAKA ₄
	U+122FB	TAR	009	12	
	U+122FC	TE	589	376	GAL ₅
	U+122FD	TE <i>gunû</i>	088	58	URU ₅ , GUR ₈ , KUR ₉ (See also:  (https://en.wiktionary.org/wiki/%F0%92%86%AD))
	U+122FE	TI	118	73	DÌ, TE ₉ , TÌ, TIL ₃ , TÌ, TE ₆
	U+122FF	TI <i>tenû</i>			
	U+12300	TIL	114	69	= BAD U+12041
	U+12301	TIR	587	375	
	U+12302	TIR x TAK ₄			
	U+12303	TIR / TIR	587v		NINNI ₅
	U+12304	TIR / TIR GAD / GAD GAR / GAR	588	375,46a-b	
	U+12305	TU	086	58	DU ₂ , TUD, TUR ₅
	U+12306	TUG ₂	809	536	NAM ₂
 [9] (https://de.wiktionary.org/wiki/%F0%92%8C%87)	U+12307	TUK	827	574	DU ₁₂ , TUG
	U+12308	TUM	354	207	DU ₄
	U+12309	TUR	255	144	DU ₁₃ , DUMU
	U+1230A	TUR / TUR ZA / ZA			
	U+1230B	U	661	411	BUR ₃ , BURU ₃ , UMUN, "TEN", "10"
	U+1230C	U GUD			UL, DU ₇
	U+1230D	U U U	711	472	EŠ, "THIRTY", "30"; see " Winkelhaken ".
	U+1230E	U / U PA / PA GAR / GAR			
	U+1230F	U / U SUR / SUR			
	U+12310	U / U U reversed / U reversed	713	474	MAŠGI, BARGI
	U+12311	U ₂	490	318	
	U+12312	UB	504	306	AR ₂

	U+12313	UD	596	381	BABBAR, UD, UT, UTA, UTU
	U+12314	UD KUŠU ₂	611	392	UH ₂
	U+12315	UD x BAD			
	U+12316	UD x MI	597	382	ITIMA ₂
	U+12317	UD x U + U + U			DU ₁₆
	U+12318	UD x U + U + U <i>gunû</i>			
	U+12319	UD <i>gunû</i>	542	337*	uncertain
	U+1231A	UD <i>šešig</i>	0020	52	ITI, UD x EŠ
	U+1231B	UD <i>šešig</i> x BAD			
	U+1231C	UDUG	833	577; 578	
	U+1231D	UM	238	134	
	U+1231E	UM x LAGAB			
	U+1231F	UM x ME + DA	241		
	U+12320	UM x ŠA ₃			
	U+12321	UM x U	239		
	U+12322	UMBIN		92b	
	U+12323	UMUM			DU ₁₉
	U+12324	UMUM x KASKAL			DE ₂
	U+12325	UMUM x PA			
	U+12326	UN	501	312	KALAM, KANAM, UĜ ₃ , UĜ ₃ , UKU ₃ "man"
	U+12327	UN <i>gunû</i>			
	U+12328	UR	828	575	HUL
	U+12329	UR crossing UR	828v	575a	
	U+1232A	UR <i>šešig</i>	829		reconstruction
	U+1232B	UR ₂	341	203	
	U+1232C	UR ₂ x A + ĤA	346		
	U+1232D	UR ₂ x A + NA			
	U+1232E	UR ₂ x AL	343		
	U+1232F	UR ₂ x ĤA	347	185,5	
	U+12330	UR ₂ x NUN	342	204	

	U+12331	UR ₂ x U ₂	344		
	U+12332	UR ₂ x U ₂ + AŠ	345	185	
	U+12333	UR ₂ x U ₂ + BI			
	U+12334	UR ₄	835	594	
	U+12335	URI	574	359	BUR/BUR
	U+12336	URI ₃			
	U+12337	URU	071	38	RI ₂ , IRI
	U+12338	URU x A	081		
	U+12339	URU x AŠGAB			
	U+1233A	URU x BAR	073	40	UKKIN
	U+1233B	URU x DUN			
	U+1233C	URU x GA	076		
	U+1233D	URU x GAL			
	U+1233E	URU x GAN ₂ <i>tenû</i>	074		
	U+1233F	URU x GAR	083		
	U+12340	URU x GU	084		
	U+12341	URU x ĤA	082		
	U+12342	URU x IGI	079		
	U+12343	URU x IM			
	U+12344	URU x IŠ			
	U+12345	URU x KI			
	U+12346	URU x LUM			
	U+12347	URU x MIN	080		ULU ₃ , U ₁₈ , LU ₇
	U+12348	URU x PA			
	U+12349	URU x ŠE			
	U+1234A	URU x SIG ₄			
	U+1234B	URU x TU	072		
	U+1234C	URU x U + GUD			
	U+1234D	URU x UD	077		
	U+1234E	URU x URUDA	075	41	BANŠUR

	U+1234F	URUDA	230	132	URUDU
	U+12350	URUDA x U	230		
	U+12351	UŠ	381	211	NITA
	U+12352	UŠ x A	384	211a	
	U+12353	UŠ x KU	383		
	U+12354	UŠ x KUR			
	U+12355	UŠ x TAK ₄	382	51*	
	U+12356	UŠ _x	583	372	UZ, US, UŠ
	U+12357	UŠ ₂		69	MÜTU, (m-w-t), (mawt), (mt), 𐤌𐤕𐤔 (mawet), Neo-Assyrian Aramaic: 𐩣𐩣𐩣. See also: Middle Egyptian: 𓆎, Proto-Malayo-Polynesian: * <u>(m-)atay</u>
	U+12358	UŠUM _x			
	U+12359	UTUKI			
	U+1235A	UZ ₃	203	122b	
	U+1235B	UZ ₃ x KASKAL	204	122c	
	U+1235C	UZU	311	171	
	U+1235D	ZA	851	586	
	U+1235E	ZA <i>tenû</i>	854	379; 380	AS ₄ , ERIM <i>tenû</i>
	U+1235F	ZA squared x KUR	855	531; 588	
	U+12360	ZAG	540	332	ZA ₃
	U+12361	ZAM _x			
	U+12362	ZE ₂	259	147	ZI ₂ , AB x PA
	U+12363	ZI	140	84	ZE ₁ , ZID, ZIG ₃
	U+12364	ZI / ZI	101	66	
	U+12365	ZI ₃		536	
	U+12366	ZIB	628	395	
	U+12367	ZIB KABA <i>tenû</i>			
	U+12368	ZIG	336	190	ZIK, NINDA x EŠ
	U+12369	ZIZ ₂		339	
	U+1236A	ZU	015	006	<u>SU</u> , <u>ŠU</u> , <u>ZU</u>
	U+1236B	ZU ₅			
	U+1236C	ZU ₅ x A			

	U+1236D	ZUBUR	648	364/5,2-3	
	U+1236E	ZUM	884	555	
	U+1236F	KAP ELAMITE			
	U+12370	AB x NUN			
	U+12371	AB ₂ x A			
	U+12372	AMAR x KUG			
	U+12373	DAG KISIM ₅ x U ₂ + MAŠ			
	U+12374	DAG ₃			
	U+12375	DIŠ + ŠU			
	U+12376	DUB x ŠE			
	U+12377	EZEN x GUD			
	U+12378	EZEN x ŠE			
	U+12379	GA ₂ x AN + KAK + A			
	U+1237A	GA ₂ x AŠ ₂			
	U+1237B	GE ₂₂			
	U+1237C	GIG			
	U+1237D	ĦUŠ			
	U+1237E	KA x ANŠE			
	U+1237F	KA x AŠ ₃			
	U+12380	KA x GIŠ			
	U+12381	KA x GUD			
	U+12382	KA x ĦI x AŠ ₂			
	U+12383	KA x LUM			
	U+12384	KA x PA			
	U+12385	KA x ŠUL			
	U+12386	KA x TU			
	U+12387	KA x UR ₂			
	U+12388	LAGAB x GI			
	U+12389	LU ₂ ŠEŠIG x BAD			
	U+1238A	LU ₂ x EŠ ₂ + LAL			

	U+1238B	LU ₂ x ŠU			
	U+1238C	MEŠ			
	U+1238D	MUŠ ₃ x ZA			
	U+1238E	NA ₄			
	U+1238F	NIN			
	U+12390	NIN ₉			
	U+12391	NINDA ₂ x BAL			
	U+12392	NINDA ₂ x GI			
	U+12393	NU ₁₁ rotated 90°			
	U+12394	PEŠ ₂ *			
	U+12395	PIR ₂			
	U+12396	SAG x IGI <i>gunû</i>			
	U+12397	TI ₂			
	U+12398	UM x ME			
	U+12399	U U			"TWENTY", "20"

Code chart

Sumero-Akkadian Cuneiform script was added to the [Unicode Standard](#) in July, 2006 with the release of version 5.0.

The Unicode block for Sumero-Akkadian Cuneiform is U+12000–U+123FF:

	0	1	2	3	4	5	6	7	8	9	A	B	C
U+1200x	𐎀	𐎁	𐎂	𐎃	𐎄	𐎅	𐎆	𐎇	𐎈	𐎉	𐎊	𐎋	𐎌
U+1201x	𐎍	𐎎	𐎏	𐎐	𐎑	𐎒	𐎓	𐎔	𐎕	𐎖	𐎗	𐎘	𐎙
U+1202x	𐎚	𐎛	𐎜	𐎝	𐎞	𐎟	𐎠	𐎡	𐎢	𐎣	𐎤	𐎥	𐎦
U+1203x	𐎧	𐎨	𐎩	𐎪	𐎫	𐎬	𐎭	𐎮	𐎯	𐎰	𐎱	𐎲	𐎳
U+1204x	𐎴	𐎵	𐎶	𐎷	𐎸	𐎹	𐎺	𐎻	𐎼	𐎽	𐎾	𐎿	𐏀
U+1205x	𐏁	𐏂	𐏃	𐏄	𐏅	𐏆	𐏇	𐏈	𐏉	𐏊	𐏋	𐏌	𐏍
U+1206x	𐏎	𐏏	𐏐	𐏑	𐏒	𐏓	𐏔	𐏕	𐏖	𐏗	𐏘	𐏙	𐏚
U+1207x	𐏛	𐏜	𐏝	𐏞	𐏟	𐏠	𐏡	𐏢	𐏣	𐏤	𐏥	𐏦	𐏧
U+1208x	𐏨	𐏩	𐏪	𐏫	𐏬	𐏭	𐏮	𐏯	𐏰	𐏱	𐏲	𐏳	𐏴
U+1209x	𐏵	𐏶	𐏷	𐏸	𐏹	𐏺	𐏻	𐏼	𐏽	𐏾	𐏿	𐐀	𐐁
U+120Ax	𐐂	𐐃	𐐄	𐐅	𐐆	𐐇	𐐈	𐐉	𐐊	𐐋	𐐌	𐐍	𐐎
U+120Bx	𐐏	𐐐	𐐑	𐐒	𐐓	𐐔	𐐕	𐐖	𐐗	𐐘	𐐙	𐐚	𐐛
U+120Cx	𐐜	𐐝	𐐞	𐐟	𐐠	𐐡	𐐢	𐐣	𐐤	𐐥	𐐦	𐐧	𐐨
U+120Dx	𐐩	𐐪	𐐫	𐐬	𐐭	𐐮	𐐯	𐐰	𐐱	𐐲	𐐳	𐐴	𐐵
U+120Ex	𐐶	𐐷	𐐸	𐐹	𐐺	𐐻	𐐼	𐐽	𐐾	𐐿	𐑀	𐑁	𐑂
U+120Fx	𐑃	𐑄	𐑅	𐑆	𐑇	𐑈	𐑉	𐑊	𐑋	𐑌	𐑍	𐑎	𐑏
U+1210x	𐑐	𐑑	𐑒	𐑓	𐑔	𐑕	𐑖	𐑗	𐑘	𐑙	𐑚	𐑛	𐑜
U+1211x	𐑝	𐑞	𐑟	𐑠	𐑡	𐑢	𐑣	𐑤	𐑥	𐑦	𐑧	𐑨	𐑩
U+1212x	𐑪	𐑫	𐑬	𐑭	𐑮	𐑯	𐑰	𐑱	𐑲	𐑳	𐑴	𐑵	𐑶
U+1213x	𐑷	𐑸	𐑹	𐑺	𐑻	𐑼	𐑽	𐑾	𐑿	𐒀	𐒁	𐒂	𐒃
U+1214x	𐒄	𐒅	𐒆	𐒇	𐒈	𐒉	𐒊	𐒋	𐒌	𐒍	𐒎	𐒏	𐒐
U+1215x	𐒑	𐒒	𐒓	𐒔	𐒕	𐒖	𐒗	𐒘	𐒙	𐒚	𐒛	𐒜	𐒝
U+1216x	𐒞	𐒟	𐒠	𐒡	𐒢	𐒣	𐒤	𐒥	𐒦	𐒧	𐒨	𐒩	𐒪
U+1217x	𐒫	𐒬	𐒭	𐒮	𐒯	𐒰	𐒱	𐒲	𐒳	𐒴	𐒵	𐒶	𐒷
U+1218x	𐒸	𐒹	𐒺	𐒻	𐒼	𐒽	𐒾	𐒿	𐓀	𐓁	𐓂	𐓃	𐓄

U+1219x													
U+121Ax													
U+121Bx													
U+121Cx													
U+121Dx													
U+121Ex													
U+121Fx													
U+1220x													
U+1221x													

U+1233x													
U+1234x													
U+1235x													
U+1236x													
U+1237x													
U+1238x													
U+1239x													
U+123Ax													
U+123Bx													
U+123Cx													
U+123Dx													
U+123Ex													
U+123Fx													
Notes 1.^ As of Unicode version 16.0 2.^ Grey areas indicate non-assigned code points													

History

The following Unicode-related documents record the purpose and process of defining specific characters in the Cuneiform block:

Version	Final code points ^[a]	Count	L2 ID	WG2 ID
5.0	U+12000..122D3, 122D6..1236E	877	L2/00-128 (https://www.unicode.org/L2/L2000/00128-pastscripts.pdf)	
			L2/00-153 (https://www.unicode.org/L2/L2000/00153-bunz.htm)	
			L2/00-398 (https://www.unicode.org/L2/L2000/00398-Cuneiform.txt)	
			L2/00-419 (https://www.unicode.org/L2/L2000/00419-n2297-cunei.pdf)	N2297 (https://www.unicode.org/wg2/docs/n2)
			L2/03-162 (https://www.unicode.org/L2/L2003/03162-n2585-cuneiform.pdf)	N2585 (https://www.unicode.org/wg2/docs/n2)
			L2/03-415 (https://www.unicode.org/L2/L2003/03415-cuneiform.pdf)	
			L2/03-393R (https://www.unicode.org/L2/L2003/03393r-cuneiform.pdf)	N2664R (https://www.unicode.org/wg2/docs/r)
			L2/03-416 (https://www.unicode.org/L2/L2003/03416-cep-anderson.txt)	
			L2/04-080 (https://www.unicode.org/L2/L2004/04080-n2664r-delta.pdf)	
			L2/04-036 (https://www.unicode.org/L2/L2004/04036-n2698-cuneiform.pdf)	N2698 (https://www.unicode.org/wg2/docs/n2)
			L2/04-041 (https://www.unicode.org/L2/L2004/04041-fitting-cuneiform.pdf)	
			L2/04-059 (https://www.unicode.org/L2/L2004/04059-feuerherm-cuneiform.txt)	
			L2/04-063 (https://www.unicode.org/L2/L2004/04063-gewecke.txt)	
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- a. Proposed code points and characters names may differ from final code points and names
b. See also L2/12-207R (<https://www.unicode.org/L2/L2012/12207r-n4277r-cuneiform-add.pdf>)

See also

- List of cuneiform signs

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External links

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- Noto Sans Cuneiform (<https://www.google.com/get/noto/#sans-xsux>) (Encodes all three Cuneiform blocks. Distributed under [SIL Open Font License](#))
- Segoe UI Historic (Comes pre-installed on Windows 10 and later)

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